

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/553,576  
Source: P9/10  
Date Processed by STIC: 10/28/05

***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 10/28/2005

PATENT APPLICATION: US/10/553,576

TIME: 10:05:20

Input Set : A:\PTO.RJ.TXT

Output Set: N:\CRF4\10282005\J553576.raw

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3 <110> APPLICANT: Hirai, Mitsuharu
5 <120> TITLE OF INVENTION: Method of detecting or quantitatively determining
mitochondrial DNA 3243
6 variation, and kit therefor
8 <130> FILE REFERENCE: TOYA114.008APC
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/553,576
C--> 11 <141> CURRENT FILING DATE: 2005-10-17
13 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/005496
W--> 14 <151> PRIOR FILING DATE: April 16, 2004
16 <150> PRIOR APPLICATION NUMBER: JP 2003-111173
17 <151> PRIOR FILING DATE: 2003-04-16
19 <150> PRIOR APPLICATION NUMBER: JP 2003-114382
20 <151> PRIOR FILING DATE: 2003-04-18
22 <160> NUMBER OF SEQ ID NOS: 22
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 500
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <221> NAME/KEY: allele
31 <222> LOCATION: 243
33 <400> SEQUENCE: 1
34 ggacatcccg atggtgcagc cgctattaaa ggttcgtttg ttcaacgatt aaagtcctac 60
35 gtgatctgag ttcagaccgg agtaatccag gtcggtttct atctaccttc aaattcctcc 120
36 ctgtacgaaa ggacaagaga aataaggcct acttcacaaa gcgccttccc ccgtaaatga 180
37 tatcatctca acttagtatt ataccacac ccacccaaga acagggtttg ttaagatggc 240
38 agagcccggg aatcgcataa aacttaaaac tttacagtca gaggttcaat tcctcttctt 300
39 aacaacatac ccatggccaa cctcctactc ctcatgtac ccatttcaat cgcaatggca 360
40 ttcctaatac ttaccgaacg aaaaattcta ggctatatac aactacgcaa aggccccaac 420
41 gtggtaggcc cctacgggct actacaaccc ttcgctgacg ccataaaact cttcaccaaa 480
42 gagcccctaa aaccgcccac
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 500
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
49 <220> FEATURE:
50 <221> NAME/KEY: allele
51 <222> LOCATION: 243
53 <400> SEQUENCE: 2
54 ggacatcccg atggtgcagc cgctattaaa ggttcgtttg ttcaacgatt aaagtcctac 60
55 gtgatctgag ttcagaccgg agtaatccag gtcggtttct atctaccttc aaattcctcc 120
56 ctgtacgaaa ggacaagaga aataaggcct acttcacaaa gcgccttccc ccgtaaatga 180
57 tatcatctca acttagtatt ataccacac ccacccaaga acagggtttg ttaagatggc 240
58 agggcccggg aatcgcataa aacttaaaac tttacagtca gaggttcaat tcctcttctt 300

```

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59 aacaacatac ccattggccaa cctcctactc ctcattgtac ccatttctaat cgcaatggca 360
60 ttccctaatgc ttaccgaacg aaaaattcta ggctatatac aactacgcaa aggccccaac 420
61 gtggtaggcc cctacgggct actacaaccc ttcgctgacg ccataaaaact cttcaccaaa 480
62 gagcccctaa aaccgcccac 500
64 <210> SEQ ID NO: 3
65 <211> LENGTH: 24
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: primer
72 <400> SEQUENCE: 3
73 ctcaacttag tattataccc acac 24
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 19
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: primer
83 <400> SEQUENCE: 4
84 ttttatgcga ttaccgggc 19
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 16
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: primer
94 <400> SEQUENCE: 5
95 atgcgattac cgggcc 16
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 23
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: probe
105 <400> SEQUENCE: 6
106 cagggtttgt taagatggca ggg 23
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 24
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: probe
116 <400> SEQUENCE: 7
117 ccaagaacag ggtttgtaa gatg 24
119 <210> SEQ ID NO: 8
120 <211> LENGTH: 26
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:

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125 <223> OTHER INFORMATION: probe
127 <400> SEQUENCE: 8
128 ccaagaacag ggtttggttaa gatggc 26
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 28
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: probe
138 <400> SEQUENCE: 9
139 ccaagaacag ggtttggttaa gatggcag 28
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 30
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: probe
149 <400> SEQUENCE: 10
150 caccaagaa cagggttgt taagatggca 30
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 27
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: primer
160 <400> SEQUENCE: 11
161 catctcaact tagtattata cccacac 27
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 22
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: primer
171 <400> SEQUENCE: 12
172 agaggaattg aacctctgac tg 22
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 20
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: probe
182 <400> SEQUENCE: 13
183 tttgttaaga tggcagggcc 20
185 <210> SEQ ID NO: 14
186 <211> LENGTH: 21
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: probe

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193 <400> SEQUENCE: 14
194 tttgttaaga tggcagggcc c 21
196 <210> SEQ ID NO: 15
197 <211> LENGTH: 22
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: probe
204 <400> SEQUENCE: 15
205 gcgattaccg ggccctgccca tc 22
207 <210> SEQ ID NO: 16
208 <211> LENGTH: 20
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: probe
215 <400> SEQUENCE: 16
216 ccggggccctg ccatcttaac 20
218 <210> SEQ ID NO: 17
219 <211> LENGTH: 17
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: probe
226 <400> SEQUENCE: 17
227 ttaagatggc agggccc 17
229 <210> SEQ ID NO: 18
230 <211> LENGTH: 16
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: probe
237 <400> SEQUENCE: 18
238 ttaagatggc agggcc 16
240 <210> SEQ ID NO: 19
241 <211> LENGTH: 20
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: probe
248 <400> SEQUENCE: 19
249 gattaccggg ccctgccatc 20
251 <210> SEQ ID NO: 20
252 <211> LENGTH: 16
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: probe
259 <400> SEQUENCE: 20

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260 gcagggccccg gtaatc 16
262 <210> SEQ ID NO: 21
263 <211> LENGTH: 18
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: probe
270 <400> SEQUENCE: 21
271 gggccctgcc atcttaac 18
273 <210> SEQ ID NO: 22
274 <211> LENGTH: 17
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: probe
281 <400> SEQUENCE: 22
282 ggccctgcca tcttaac 17
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/553,576

DATE: 10/28/2005  
TIME: 10:05:21

Input Set : A:\PTO.RJ.TXT  
Output Set: N:\CRF4\10282005\J553576.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/553,576

DATE: 10/28/2005

TIME: 10:05:21

Input Set : A:\PTO.RJ.TXT

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L:10 M:270 C: Current Application Number differs, Replaced Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:14 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD